

REMARKS/ARGUMENTS

Claims 1-45 are pending. Claims 1-3 and 8-13 have been rejected. Claims 4-7 and 14-45 have been allowed. Claims 1-3 have been cancelled without prejudice or disclaimer. Claims 4-45 have been amended. Reconsideration is respectfully requested.

Claims 1-3 have been rejected under 35 USC 102(b) as being anticipated by *Nishitani et al.* (U.S. Patent No. 4,379,338). Claims 1-3 have been cancelled without prejudice or disclaimed.

Claims 8-13 have been rejected under 35 USC 112, second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Lines 3-4 of claims 8 and 9 have been asserted to be mis-descriptive because the overflow detecting circuit does not comprise a logical inversion circuit that inverts the carry signals. The Office Action references Figures 5-7, 9, 10, and 12.

Applicant respectfully disagrees. Claims 8 and 9 may be better understood by studying these claims in view of claims 6 and 7, respectively. Claim 6 may be better understood in view of the illustrative embodiment of Figs. 5-7, 12, 15, 17, 21, and 22. Claim 8 may be better understood in view of the illustrative embodiment of Figs. 9, 10, 14, 16, 18, and 23. Claims 7 and 9 may be better understood in view of the illustrative embodiment of Figs. 26 and 29. The technique of inverting a carrier is explained in the specification from line 7 of page 26 to line 8 of page 28. Claim 8 inverts a carry output of an adder, which is in contrast to an output of a coefficient multiplier of Claim 6. Claim 9 inverts a carry output of an adder, which is in contrast to an output of a coefficient multiplier of Claim 7. It is apparent from the description on pages 26 to 28 that this technique can detect an overflow. Therefore, it is respectfully submitted that claims 8-9 are not mis-descriptive and withdrawal of the rejection is respectfully requested.

It is asserted that the elements of claims 10-13 are not properly related to elements of base claims 4 and 5. Claims 10-13 have been amended to be independent claims. Withdrawal of the rejection is respectfully requested.

The allowance of claims 4-7 and 14-15 is noted. Claims 4-7 and 14-45 have been amended to correct typographical errors and to correct antecedent basis. No new matter has been added.

Claims 8-13 have been indicated to be allowable if the section 112, second paragraph rejection is overcome. For the reasons described above, the rejection is overcome, and allowance of claims 8-13 is respectfully requested.

The title of the invention has been deemed to be not descriptive. The Title has been amended to read - "DIGITAL FILTER WITH PROTECTION AGAINST OVERFLOW OSCILLATION" -. No new matter has been added. Acceptance of the amended title is respectfully requested.

Submitted herewith is a letter to the Chief Draftsperson enclosing sheet of formal drawings for Figure 37 labeled as Prior Art. Approval of the new Figure 37 is respectfully requested

For the foregoing reasons, it is respectfully submitted that the claims are in an allowable form, and action to that end is respectfully requested.

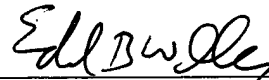
Appl. No. 09/964,081
Docket No. 2102487-991150
Response to Office Action of August 16, 2004

Please charge any additional fees, including any fees necessary for extensions of time, or credit any overpayments to Deposit Account No. 07-1896, referencing **2102487-991150**.

Respectfully submitted,

GRAY CARY WARE & FREIDENRICH

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Amendments to the Drawings:

The attached sheet of drawings includes changes to Figure 37. This sheet, which includes Fig. 37 replaces the original sheet including Fig. 37.

Please designate Figure 37 by — Prior Art —.

Attachment: Replacement Sheet
Annotated Sheet Showing Changes

PRIOR ART
 FIG.37

